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Leybold Mag W 600P, 700P

Technical Specifications

		W 600 P		W 700 P	
Inlet flange	DN	160 ISO-K	160 CF	200 ISO-K	200 CF
Pumping speed					
N_2	l/s	550	550	590	590
Ar	l/s	520	520	540	540
He	l/s	570	570	600	600
H_2	l/s	410	410	430	430
Operating speed	min^{-1}	48 000	48 000	48 000	48 000
Compression ratio					
N_2		1.6×10^{10}	1.6×10^{10}	1.6×10^{10}	1.6×10^{10}
H_2		3.4×10^{4}	3.4×10^{4}	3.4×10^{4}	3.4×10^{4}
He		1.7×10^{6}	1.7×10^{6}	1.7×10^{6}	1.7×10^{6}
Ultimate pressure	mbar	$< 10^{-8}$	$< 10^{-10}$	$< 10^{-8}$	$< 10^{-10}$
	(Torr)	($< 0.75 \times 10^{-8}$)	($< 0.75 \times 10^{-10}$)	($< 0.75 \times 10^{-8}$)	($< 0.75 \times 10^{-10}$)
Max. degassing temperature	°C (°F)	–	80 (176)	–	80 (176)
Max. foreline pressure for N_2	mbar (Torr)	6.0 (4.5)	6.0 (4.5)	6.0 (4.5)	6.0 (4.5)
Recommended backing pump		TRIVAC D 2,5 E TRIVAC D 8 B	TRIVAC D 2,5 E TRIVAC D 8 B	TRIVAC D 2,5 E TRIVAC D 8 B	TRIVAC D 2,5 E TRIVAC D 8 B
Run-up time	min	< 6	< 6	< 6	< 6
Foreline flange (clamped)	DN	25 ISO-KF	25 ISO-KF	25 ISO-KF	25 ISO-KF
Purge / vent port (clamped)	DN	16 ISO-KF	16 ISO-KF	16 ISO-KF	16 ISO-KF
Water cooling connection (optional)	G	1/8"	1/8"	1/8"	1/8"
Weight, approx.	kg (lbs)	17 (37.5)	17 (37.5)	17 (37.5)	17 (37.5)

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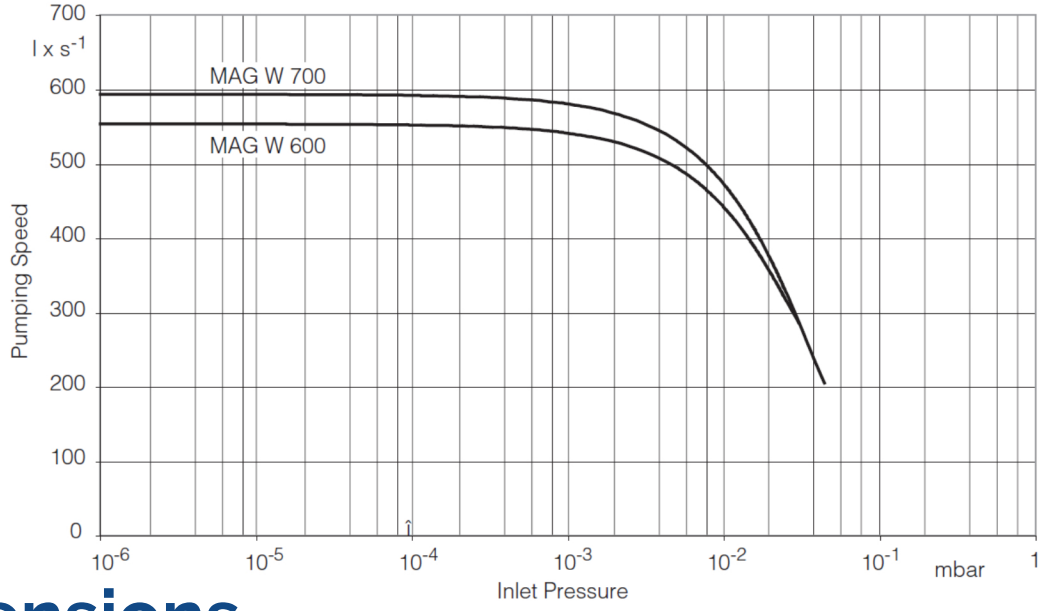
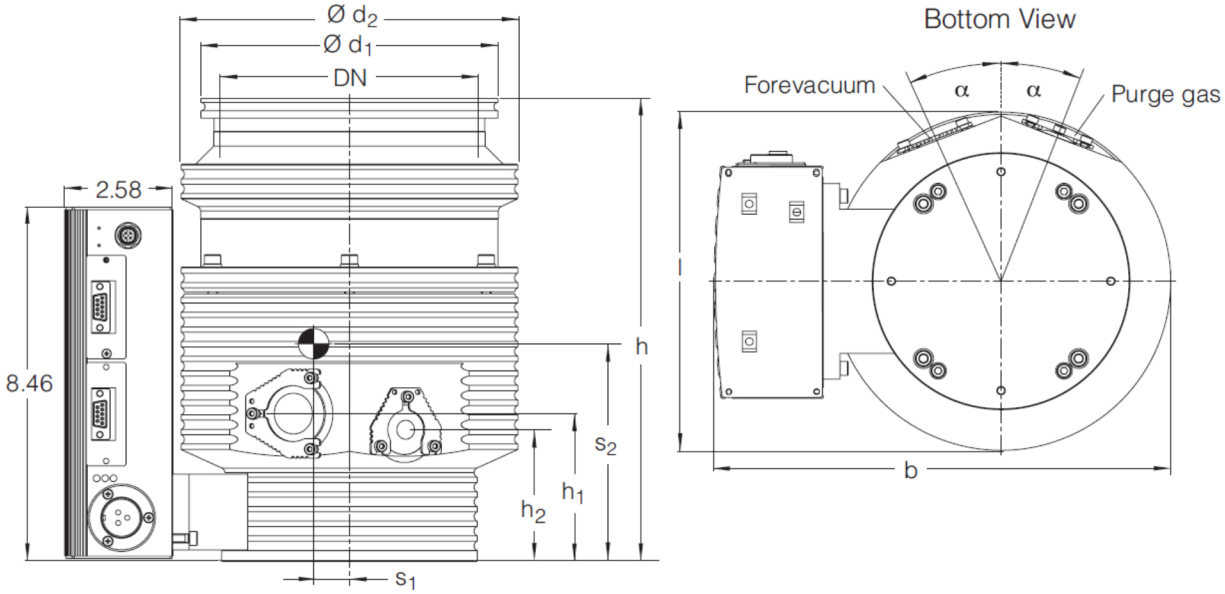
Pumping Curves



Dimensions



		DN	o d_1	o d_2	h	h_1	h_2	l	b	b*	α	s_1	s_2
MAG W 600 P	mm	160 ISO-K	180.0	204.0	281.5	90	80	204.0	274.5	257.5	21°	13.0	121.0
	in.		7.09	8.03	11.08	3.54	3.15	8.03	10.81	10.14	21°	0.51	4.76
	mm	160 CF	202.5	204.0	294.0	90	80	204.0	274.5	257.5	21°	10.0	150.0
	in.		7.97	8.03	11.57	3.54	3.15	8.03	10.81	10.14	21°	0.39	5.91
MAG W 700 P	mm	200 ISO-K	240.0	204.0	280.5	90	80	240.0	292.5	275.5	21°	13.0	130.0
	in.		9.45	8.03	11.04	3.54	3.15	9.45	11.52	10.85	21°	0.51	5.12
	mm	200 CF	253.0	204.0	275.0	90	80	253.0	299.0	282.0	21°	9.0	156.0
	in.		9.96	8.03	10.83	3.54	3.15	9.96	11.77	11.10	21°	0.35	6.14

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Features & Benefits

- installation in any orientation
- highest pumping speed from the smallest possible size
- rugged & reliable operation in industrial applications
- suited for vibration sensitive applications
- flexibility through modular concept

Applications

- leak detectors • mass spectrometers • gas & liquid chromatography
- electron beam microscopy • optical & magnetic data storage • flat panel displays • optical coating • research & development • surface analysis • particle accelerators • fusion experiments • load locks & transfer chambers • space simulation • PVD